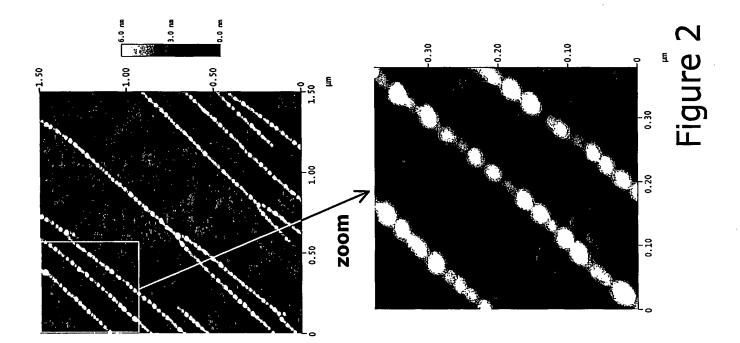


Figure 1



$$H_2NCONH_2 \longrightarrow NH_4^+NCO^- \longrightarrow NH_3 + HNCO$$
Urea melt

Ammonium

cyanate

 $Isocyanic$

acid

Reactions involving carboxylic acid groups

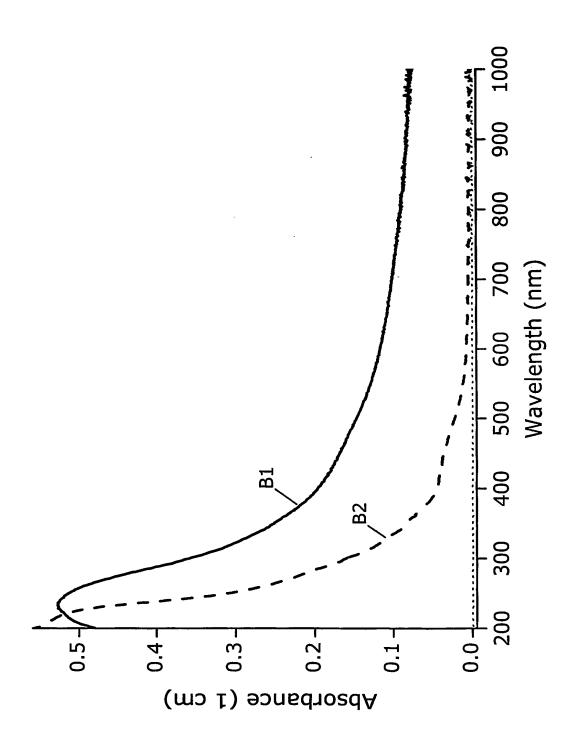
Reactions involving phenol groups

Reactions involving epoxide groups

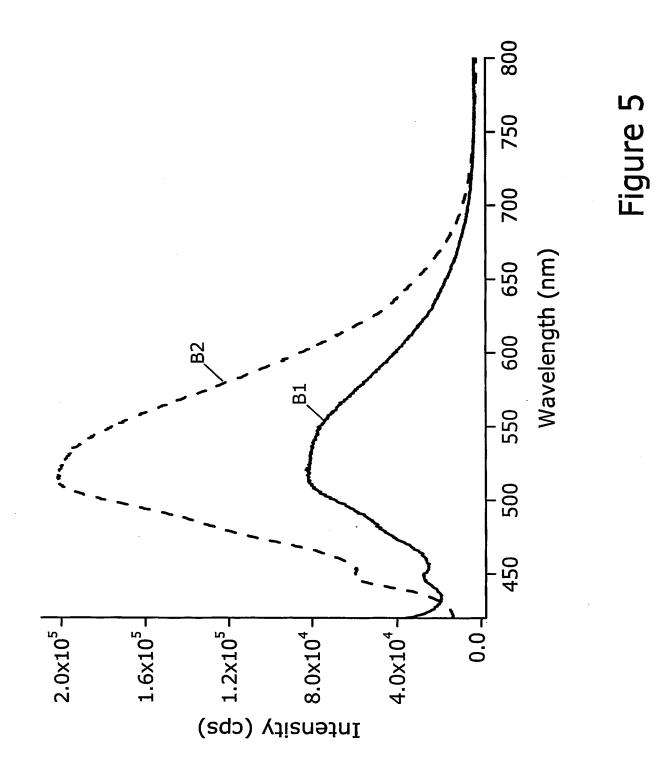
Figure 3

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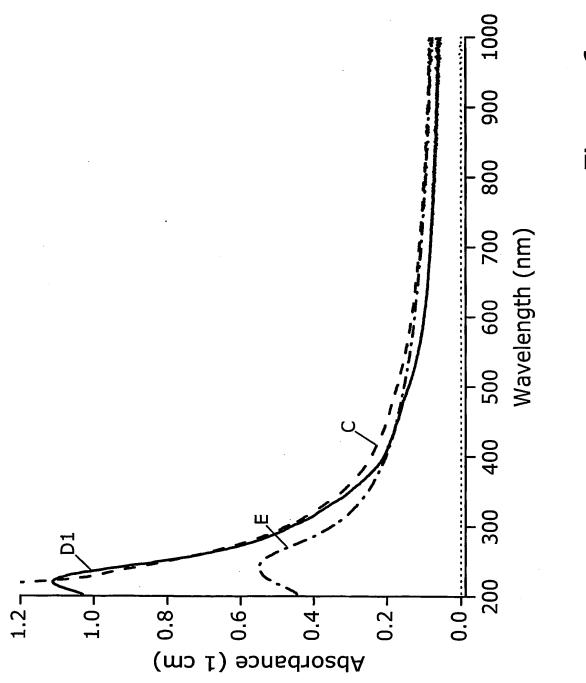
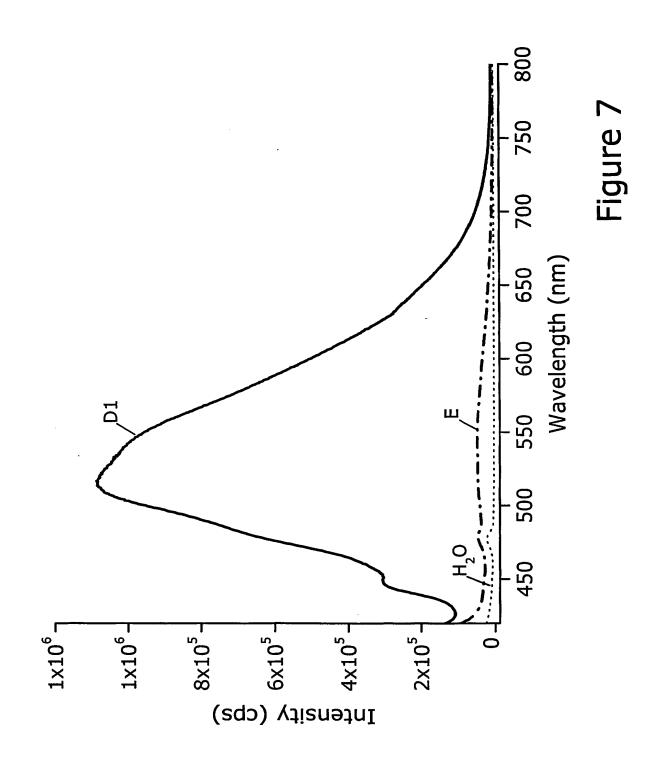


Figure 6



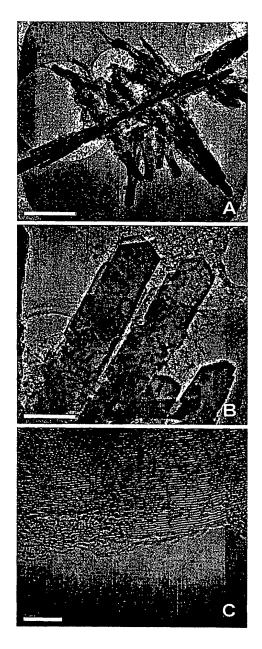


Figure 8

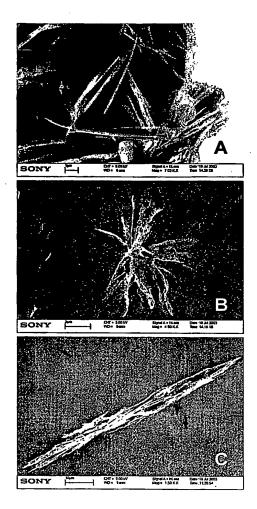


Figure 9

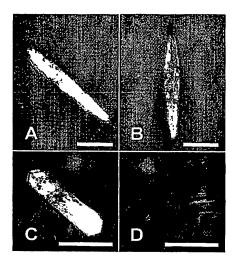


Figure 10

11/11

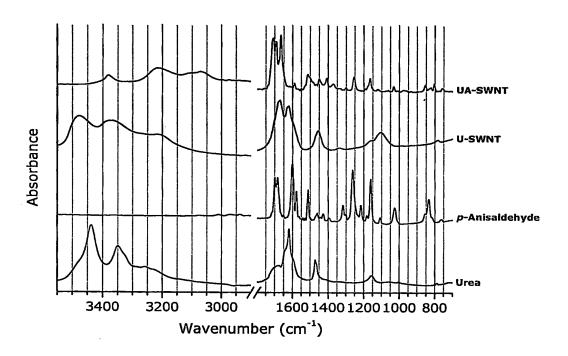


Figure 11